

## ABSTRACT

This invention provides processes for isolating pharmaceutically active fractions from the mushroom *Scutellariae barbatae* designated herein as ESBa, ESBb and ASB03. This invention provides a method for inhibiting the growth of endothelial cells by delivering to the cells a growth inhibitory amount of a fraction of this invention. This invention also provides a method of inhibiting vascularization in a tissue by delivering to the tissue an anti-vascularization amount of a fraction of this invention. Methods of treating various diseases, including cancer, are also provided herein.